

# Purchase Order Receipt Listing

Wednesday, August 23, 2017 2:28:55 PM

Page 1 of 2

All amounts are calculated in domestic currency.

All Vendors PO ID PO37486 All Receipt Dates All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name VC-CAM002 Acier Ouellette Inc											
PO37486	5		M303R0.500 ✓	f	8/25/2017	8/23/2017	24.0000 ✓	\$1.82	0.0000	0	\$43.59
CAD	No		303 Round Bar 0.500" f		24.0000	PLOU01		\$43.59	0.0000	0	
			m138346								
	9		M304R1.000	f	8/25/2017	8/23/2017	12.0000 ✓	\$6.33	0.0000	0	\$75.95
	No		304 round bar 1.00	f	12.0000	PLOU01		\$75.95	0.0000	0	
			m138346								
	10		M304S11GA	sf	8/25/2017	8/23/2017	32.0000 ✓	\$9.80	0.0000	0	\$313.48
	No		304/316 0.125 Sheet	sf	32.0000	PLOU01		\$313.48	0.0000	0	
			m138346 0117								
	11		M304S18GA	sf	8/25/2017	8/23/2017	64.0000 ✓	\$4.29	0.0000	0	\$274.52
	No		304/316 .050 Sheet	sf	64.0000	PLOU01		\$274.52	0.0000	0	
			m138346 047								
	12		M304S16GA	sf	8/25/2017	8/23/2017	64.0000 ✓	\$5.21	0.0000	0	\$333.66
	No		304/316 Sheet .063	sf	64.0000	PLOU01		\$333.66	0.0000	0	
			m138346 058								
	13		M304S24GA	sf	8/25/2017	8/23/2017	32.0000 ✓	\$2.32	0.0000	0	\$74.27
	No		304/316 .025 Sheet	sf	32.0000	PLOU01		\$74.27	0.0000	0	
			m138346 023								
	15		M6061T6R0.750	f	8/25/2017	8/23/2017	20.0000 ✓	\$1.07	0.0000	0	\$21.44
	No		6061-T6 Round Bar .750"	f	20.0000	PLOU01		\$21.44	0.0000	0	
			m138346								
	16		M6061T6R1.250	f	8/25/2017	8/23/2017	20.0000 ✓	\$2.95	0.0000	0	\$59.08
	No		6061-T6 Round Bar 1.250	f	20.0000	PLOU01		\$59.08	0.0000	0	
			m138346								
	17		M6061T6S.125	sf	8/25/2017	8/23/2017	32.0000 ✓	\$5.17	0.0000	0	\$165.46
	No		6061-T6 .125 Sheet	sf	32.0000	PLOU01		\$165.46	0.0000	0	
			m138346								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name		VC-CAM002	Acier Ouellette Inc.								
PO37486	18		71401-45		8/25/2017	8/23/2017					
CAD	No		PROCUREMENT		1.0000	PLOU01	1.0000	\$0.00	0.0000	0	\$0.00
			QUALITY					\$0.00	0.0000	0	
			CLAUSES								
			m138346								

Total Received Quantity:	301.0000
Total Qty to Inspect (PO U/M):	0.0000
Total Reject Quantity:	0.0000
Total Receipt Value:	\$1,361.46
Total Balance Due Quantity:	0.0000

**ACIER OUELLETTE INC.**

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**DELIVERY - CLIENT**

CO00046823

**Customer N°** CLI0001056  
**Date** 2017/08/22  
**Delivery date** **2017/08/17**  
**Your order N°** 37486  
**Processed by** Frederic Leboeuf

**Salesman**  
**Carrier** OUELLETTE VALLEYFIELD  
**Credit Terme** Net 30 Days

**Page** 1

**Billed to**

DART AEROSPACE LTD

1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

**Delivery Route** 5

**Instruction** F-M

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
1 ROUND SS 1/2 303 (12R) ✓ RSS-12303-12 5726 2 X 12' R/L	16.01	24.00	PI_\$CLB	✓	2x12'						
2 ROUND SS 1 304 (12R) ✓ RSS-1-12 5712 1 X 12' R/L	32.04	12.00	PI_\$CLB	✓	1x12' 1/2						
3 SHEET SS 11G SS304-2B (4 X 8) ✓ FESS-11G483042B 3402 1 X 4' X 8'	168.00	32.00	PI2_\$CLB	✓	1x						
4 SHEET SS 18G SS304-2B (4 X 8) ✓ FESS-18G483042B 3425 2 X 4' X 8'	134.40	64.00	PI2_\$CLB	✓	2x						

NIR : R-109516-6

SPR-8-23.

Next Page...

**ACIER OUELLETTE INC.**

935, Boul. du H vre  
Salaberry de Valleyfield (Qu bec) J6S 5L1  
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**DELIVERY - CLIENT**

CO00046823

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**Delivery date** **2017/08/17**  
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**Credit Terme** Net 30 Days  
**Page** 2

**Billed to**

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1270 , ABERDEEN ST.  
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**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

**Instruction** F-M**Delivery Route** 5

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
<b>5</b> SHEET SS 16G SS304-2B (4 X 8) FESS-16G483042B <b>3419</b>  2 X 4' X 8'	168.00	64.00	PI2_\$CLB	✓	2X4X8						
<b>6</b> SHEET SS 24G SS304-2B (4 X 8) FESS-24G483042B <b>3441</b>  1 X 4' X 8'	33.60	32.00	PI2_\$CLB	✓	1X4						
<b>7</b> ROUND ALU 3/4 6061-T6 (20) RAL-34-20 <b>5156</b>  1 X 20'	10.46	20.00	PI_\$CLB	✓	1X20						
<b>8</b> ROUND ALU 1 1/4 6061-T6 (20) RAL-114-20 <b>5120</b>  1 X 20'	28.82	20.00	PI_\$CLB	✓	1X20						

NIR : R-109516-6

SEP 8-23

Next Page...





# DELIVERY - CLIENT

CO00046823

**ACIER OUELLETTE INC.**

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Customer N°** CLI0001056  
**Date** 2017/08/22  
**Delivery date** **2017/08/17**  
**Your order N°** 37486  
**Processed by** Frederic Leboeuf  
**Salesman**  
**Carrier** OUELLETTE VALLEYFIELD  
**Credit Terme** Net 30 Days  
**Page** 3

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1270 , ABERDEEN ST.  
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**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

**Instruction** F-M**Delivery Route** 5

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
9 ALU SHEET 1/8 6061-T6 (4 X 8) FEAL-18486061 <b>4256</b>  1 X 4' X 8'	56.45	32.00	PI2_\$CLB		IX						

**Conditions :**

All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

**Total Weight (Lbs) :** 647.78

NIR : R-109516-6

SP17-8-23

Prepared By :	Verified By : NM/OPR	Delivered By : SR	Time 12:58		Y	M	D
				Customer's Signature	Date		

**Total (\$CAD)**

Customer N° CLI0001056  
Date 2017/08/22  
Delivery date **2017/08/23**

Your order N° 37486  
Processed by Frederic Leboeuf

Salesman  
Carrier OUELLETTE VALLEYFIELD

Credit Terme Net 30 Days

Page 1

### Billed to

DART AEROSPACE LTD  
1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

### Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Instruction F-M

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
1 ROUND SS 1/2 303 (12R) RSS-12303-12 5726 DAS 5 2 X 12' R/L HEAT : 427059 9-89	16.01	24.00	PI_\$CLB								
2 ROUND SS 1 304 (12R) RSS-1-12 5712 DAS 5 1 X 12' R/L HEAT : CH-6101 9-89	32.04	12.00	PI_\$CLB								
3 SHEET SS 116 SS304-2B (4 X 8) FESS-11G483042B 3402 DAS 5 1 X 4' X 8' HEAT : 290 F 9-89	168.00	32.00	PI2_\$CLB								

NIR : R-109516-6

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**DELIVERY - CLIENT**

CO00046823

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**Delivery date** **2017/08/23**  
**Your order N ** 37486  
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**Salesman**  
**Carrier** OUELLETTE VALLEYFIELD  
**Credit Terme** Net 30 Days  
**Page** 2

**Billed to**

DART AEROSPACE LTD

1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

**Instruction** F-M**Delivery Route** 5

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
4 SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B <b>3425</b>  2 X 4' X 8" <b>DAS</b> HEAT : 0L4V <b>5</b> 9-89	134.40	64.00	PI2_\$CLB								
5 SHEET SS 16G SS304-2B (4 X 8) FESS-16G483042B <b>3419</b>  2 X 4' X 8" <b>DAS</b> HEAT : 849874 <b>5</b> 9-89	168.00	64.00	PI2_\$CLB								
6 SHEET SS 24G SS304-2B (4 X 8) FESS-24G483042B <b>3441</b>  1 X 4' X 8" <b>DAS</b> HEAT : 849356 <b>5</b> 9-89	33.60	32.00	PI2_\$CLB								

NIR : R-109516-6

Next Page...



# DELIVERY - CLIENT

CO00046823

## ACIER OUELLETTE INC.

935, Boul. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
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Date 2017/08/22  
Delivery date **2017/08/23**  
Your order N° 37486  
Processed by Frederic Leboeuf

Salesman  
Carrier OUELLETTE VALLEYFIELD  
Credit Terme Net 30 Days  
Page 3

### Billed to

DART AEROSPACE LTD  
1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

### Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M

Delivery Route 5

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
7 ROUND ALU 3/4 6061-T6 (20) RAL-34-20 5156 DAS 5 1 X 20' HEAT : 68706 9-89	10.46	20.00	PI_\$CLB								
8 ROUND ALU 1 1/4 6061-T6 (20) RAL-114-20 5120 DAS 5 1 X 20' HEAT : 68467 9-89	28.82	20.00	PI_\$CLB								
9 ALU SHEET 1/8 6061-T6 (4 X 8) FEAL-18486061 4256 1 X 4' X 8' HEAT : 01/0068262/5	56.45	32.00	PI2_\$CLB								

Total Weight (Lbs) : 647.78

NIR : R-109516-6

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Prepared By :

Verified By :

Delivered By :

Time

Customer's Signature

Y M D

Date

Total (\$CAD)

**Acciaierie  
Valbruna S.p.A.**

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4  
Telephon number : 0039 (0) 444968211



QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

**CERTIFICATO DI COLLAUDO  
ABNAHMEPRUEFZEUGNIS  
INSPECTION CERTIFICATE  
CERTIFICAT DE RECEPTION  
EN 10204 (2004) , 3.1**

Avviso di Spedizione: D-BZ14008766  
Lieferanz eige-Packung ital/B.L.

Certificato nr: MEST606752/2014/  
Prüfung Teil E 5425

Produttore: **STABILIMENTO DI BOLZANO**  
Hersteller: *Fern-Usine produktion*

Ordine nr: 407004840 Stock - Canada  
Bestel Your order Commande

Conferma ordine nr: E114007074  
 Shows Our Order Ref nr.

Marchio di Fabbrica.  
Zeichen des Urfabrikanten.  
Trade mark.  
Sigle de l'usine productrice.

Punzone del Collaudatore:  
Stempel des Wertsachverständigen  
Inspecția a stampelor de la asayeur

**Specifiche:**  
Anforderungen : Requirements : Engagements

VSI 0 303 HS A,CF  
 AMS 5640 U TYPE1 A  
 ASTM A320 2011A B8F (1)  
 MIL-S-862 B/1 303

AISI 303  
ASME SA320 2013 B8F (0)  
ASTM A370 2013  
QQ-S-764 B/2 303 A

AMS 5640 U S30300 A  
ASTM A314 2008 S30300  
ASTM A582 2012 S30300 A

(1) Chemical analysis only.

(0) Chemical analysis only.

Qualität. 303HS  
Vorstoff Grob-Handel

Marca: **MV188ZHS**  
 Maschinenzeichnung  
 Band 74/1991 **MAXIVAL**

Tolleranza: ASTM A484-14 TABLE 7  
Tolleranz/Allowance/Tolerance

Punzonatura: 303HS  
Kernzeichnung Markung Marquage

Pos. nr. Pos. nr. Item nr. Nr. de pièce	Oggetto Gegenstand Product description Descript. du produit	Dimensioni - In Abmessungen Dimension Dimension	Lunghezza - In Länge Longueur	Colata Schmelze Coulée	Pezzi Stücke Blocs Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr. Lot nr.
0010	Round	0,5000	145 / 145	427059	3	2.249	415607210

TEST ALLO STATO DI FORNITURA

TEST ALLI STATO DI FORNITURA  
Test on delivery condition Prüfung auf lieferbereiten produkt test a l'etat de fourniture Prueba sobre el material así como entregado

TEST	Proveita/Processo Spezimen/Specimen 1.2g diam fibre Rasse/Specimen Wider/Specimen 1.2g diam fibre mm	° F	Positi/Stage Proveita/Stage Spezimen/Stage mm	Snervamento Snervamento Yield Point Yield Point Rp 0.2% K.S.I.	Snervamento Snervamento Yield Point Yield Point Rp 0.2% K.S.I.	Resistenza Resistenza Tensile strength Tensile strength Rm K.S.I.	Allungamento Allungamento Elongation Elongation E 4d %	Sirizione Sirizione Reduction of area Reduction of area RA %	Resistenza Resistenza Impact strength Impact strength HB	Durezza Durezza Hardness Hardness HB
Valori richiesti / Anforderungen / Requisitos / Valeurs min										140
		max								255
A	8.75	68	L	91		106	22	47		228

TEST		min	max	
A	Grain size for ASTM E112			6

Mechanical properties according to ASTM A370.

1) Längsinsiderungs-T-Verankerung: O-Tankerzahn: 100cm

## Analisi chimica

Chemische Zusammensetzung / Chemical Analysis / Analyse chimique

Chemische Zusammensetzung / Chemical Analysis / Analyse chimique														
Colata Near Schmelze / Courbe	min 0,030 max 0,050	0,20 1,00	1,50 2,00	17,00 19,00	0,60	1,00	8,00 10,00		0,100	0,32	0,4000			
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %			
427059	0,042	0,41	1,84	17,48	0,51	0,64	8,10	0,083	0,029	0,34	0,0043			

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature : 1940° F for 0.50h/water.

Micro and macro etch test : OK

Reduction ratio &gt; 4 : 1

Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste  
Die gesuchten Anforderungen sind in Anlage erfüllt  
The material has been furnished in accordance with the requirements  
Le matériel a été fourni conforme aux exigences

Controllo antimiscelanza: OK  
Verwechslungsprüfung: spektroskopisch durchgeführt  
Antimizing testing performed: OK  
Controlle antimiscelanza fait: r.3.8

Controllo visivo e dimensionale: soddisfa le esigenze  
Beschädigung und Ausmessung ohne Reibschädigung  
Visual inspection and dimensional check satisfactory  
Contrôle visuel et dimensionnel satisfaisant

Melted and manufactured in Italy      No welding or weld repair      Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

Bolzano, 24/11/14  
EBL006  
(Mod. MGE2)

il collaudatore di stabilimento / der Werkssachverständige / Works Inspector / L'agent d'usine

Pagina - 1 di 2

192173

# Acciaierie Valbruna S.p.A.

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4  
Telephon number : 0039 (0) 447768211



CERTIFICATO DI COLLAUDO  
ABNAHMEPRUEFZEUGNIS  
INSPECTION CERTIFICATE  
CERTIFICAT DE RECEPTION  
EN 10204 (2004) , 3.1

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-BZ14008766  
Lieferantrags-Packing list S.L.

Certificato nr: MEST606752/2014/  
Prüfung/Tess/Essai

Produttore: **STABILIMENTO DI BOLZANO**  
Hersteller/Hersteller/Usine productrice

Ordine nr: 407004840 Stock - Canada  
Bestell/Your order/Commande

Conferma ordine nr: EI14007074  
Werkz. Our Order/Rei. nr

Stato di fornitura: Hot rolled - Annealed Cold Drawn  
Lieferzustand/Delivery state/Etat de livraison

Tipo di Elaborazione: E+AOD  
Erzählungsart/Melting process/Mode d'élaboration

Marchio di Fabbrica:  
Zeichen des Lieferwerkes  
Tracce marchi  
Sigle de l'usine productrice

Punzone del Collaudatore:  
Stempel des Werkssachverständigen  
Inspector's stamp/Tronçon de l'inspecteur



The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s. 4.3 by TÜV and LLOYD'S  
Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.  
Maximal and/or Valplus grades/products are manufactured with ladle techniques to control composition, distribution, size and shape of non metallic inclusions for improved machinability.  
The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Bolzano, 24/11/14

ABLOOG  
(Mod. MCE2)

Il collaudatore di stabilimento / der Werkssachverständiger / Works inspector / L'agent d'usine

M. Rizzotto

Pagina - 2 di 2

# CHANDAN STEEL LIMITED

(GOVT. OF INDIA RECOGNISED EXPORT HOUSE)

ISO 9001: 2008 CERTIFICATE No. 01100011022

ML OFFICE: 56, N. K. SAGAR, N. S. PATKAR MARG, MUMBAI 400 007, INDIA

TEL: 91-22- 66290600 Fax: 91-22-66290633/34

Website : www.chandansteel.net

E-mail : cs@chandansteel.net

No.:

Date:

WORKS: Plot No. 35, G. I. D. C., Umbergaon

Dist Valsad, Gujarat - 396 171.

Tel.: 91-260- 308 9999 Fax.: 91-260 308 9872

E-mail : exports@chandansteel.net

F824 QC 09A / 02 / 10.12.2012

## MILL TEST / INSPECTION CERTIFICATE 3.1

ACCORDING TO EN 10204 : 2005

Signature				Test Certificate No. : EXP/00147 - 08/2017-2018							
				Date of Issue : 12.05.2017							
				P. O. No. : BN5607							
				SC_No. & Date : 16-17/00787, Dt.16.03.2017							
				Invoice No. & Date : EXP/00147/2017-18 Dt.12.05.2017							
PRODUCT DESCRIPTION STAINLESS STEEL ROUND BARS				LENGTH		Net Wt.					
				Ordered 12' - 14'	Actual 12' - 14'	2976 Lbs.					
Heat No.	Grade	Size	Tolerance	Process Route							
CH-6101	AISI 304L	1"	h9	Electric Melting, A.O.D. Refining, Continuous Casting							
CHEMICAL COMPOSITION (Weight %)											
	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Ti	N
Min.	-	-	-	-	-	18.00	-	8.00	-	-	-
Max.	0.030	1.00	2.00	0.045	0.030	20.00	-	12.00	-	-	-
Results	0.024	0.43	1.75	0.039	0.012	18.20	-	8.03	-	-	-
MECHANICAL PROPERTIES											
Specified	Yield Strength		Tensile Strength		Elongation		Reduction of Area		Hardness		
Value	N/mm <sup>2</sup> /MPa (Rp0.2)		N/mm <sup>2</sup> /MPa (Rm)		%		%		(HB)		
Min.	170		485		30		40		-		
Max.	-		-		-		-		-		
Results	395		685		41		65		215-218		

Remarks:

Cold drawn & Centreless Ground.

2. Solution annealed at 1050 °C.

PMI test done 100% & found Satisfactory.

Material is free from radio-active contamination.

Inter-Granular Corrosion Test as per ASTM A262 - 15 (Pr.E) satisfactory.

The material conforms to ASTM A276-15/A182-15/A479-15 Specifications.

Location of sample - Centre, Direction - Longitudinal, Test Temp - Room Temp., Shape of Test Piece - Round.

Marking details - Company Logo, Size, Grade & Heat No.

The material is manufactured/melt in Chandan Steel Mill and is of Indian Origin.

No welding/weld repairs was performed on this material.

JNDLE NO.: 34 & 35

It is hereby certified that the above results are true and correct in every

B. S. RAUTELA





FESS-11G483042B

44954

PO. 5712

# METALLURGICAL TEST REPORT

6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

Certificate: 269478 2 Mail To:

Ship To:

Customer: 007035 016

Date: 3/01/2017 Page: 1

Steel: 304

Finish: 2B

Your Order: 788583

NAS Order: DS 0011258 01

Corrosion: ASTM A262/15 A; 180Bend-OK

## PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED; UNS 30400  
ASTM A240/15b, A480/15, A666/15; ASME SA240/15, SA480/15, SA666/15  
CHEM ONLY ON FOLLOWING ASTM: A276/16, A479/16, A484/15, A312/16  
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13  
AMS 5513G XMRK; MIL-S-5059D AMEND3 (X CROWN MEAS)  
NACE-MR0175/ISO 15156-3:2009 A, MR0103/07; Q66766D-A X MAG FERM  
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

## REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.  
EN 10204:2004 3.1; RoHS 1 & 2 Compliant  
Material is Free of Radioactive Contamination  
Steel Making Process: EAF, AOD, & Cont. Casting  
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001  
\*Melted & Manufactured in the USA; Mat'l is DFARS Compliant

Product Id	Coil #	Skid #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
04290F A	04290F A		.1200	48.0000	12,625	COIL		5	1 74275694

## CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
Chemical Analysis per ASTM A751/14a

HEAT	CM	C %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
290F	US	.0489	18.0430	.3665	1.6440	.3305	.0708	8.0005	.0270	.0015
DAS 5										
9-89										
	SI %									
	.2510									

## MECHANICAL PROPERTIES

Product Id#	Coil #	UTS	20C .2% YS	20C ELONG	% Hard	Tail
		KSI	KSI	%-2"	RB	Hard
04290F A	04290F A	FT 92.09	43.44	52.04	84.50	83.50

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

KRIS LARK

3/01/2017





North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

## METALLURGICAL TEST REPORT

6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

Certificate: 253625 2 Mail To:

Ship To:

Customer: 007035 021

Date: 1/10/2017 Page: 1

Steel: 304/304L

Finish: 2B

Your Order: 788462

NAS Order: DS 0011167 01

Corrosion: ASTM A262/15;180Bend-OK

### PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED. UNS 30400/30403  
ASTM A240/15b, A480/15, A666/15; ASME SA240/15, SA480/15, SA666/15  
MANUFACTURED IN MALAYASIA

### REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.  
EN 10204:2004 3.1; RoHS 1 & 2 Compliant  
Material is Free of Radioactive Contamination  
Steel Making Process: EAF, AOD, & Cont. Casting  
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001

Product Id	Supplier Id	Skid #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
110L4V	A00304 63A		.0450	48.0296	24,908 COIL		1	1	74261496

### CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

HEAT	Supplier#	CM	C %	CR %	MN %	N %	NI %	P %	S %	SI %
0L4V L9ZR		ES	.0200	18.2000	1.8200	.0800	8.0000	.0290	.0020	.3600

### MECHANICAL PROPERTIES

Product Id	Supplier Id	UTS	20C .2% YS	20C ELONG	% Hard	Tail
		KSI	KSI	%-2"	RB	Hard
110L4V	A00304 63A	F T 95.72	48.59	48.00	85.00	86.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

KRIS LARK

1/11/2017

ACIER. OUELLETTE INC P.O. - AC3538 S.O. - 388337

#3419

NOTICE OF SHIPMENT /  
PACKING LIST

Flat Rolled Products

CERTIFICATE OF TEST

106860  
015063

48191

CUST. ORD. NO. &amp; DATE

P206081

FORMS DISTRIBUTION

SOLD TO → 1 SHIP TO → SPEC →

09/15/16

CUST CODE

329587

FINISHING LOCATION

VANDERGRIFF, PA

SHIPPER NO

522741

PRODUCT CODE

13020102060000

MILL ORDER NUMBER

30-096-243

DATE SHIPPED

12/13/16

GOV'T CONTRACT

7219.90.0000

MAT'L

SHIPPING LOCATION

PA

INVOICE

657047

REPEAT ORDER

99108-2

DO RATE

26

PRI-ORITY

PRIME

SEC.

DSO

DSO

30

AMERINOX

BLDG 90 HARRIS TERMINAL

2201 MT. EPHERAIM AVENUE

CAMDEN

NJ 08104

## GRADE AND SPECIFICATIONS

CARRIER - M &amp; A TRANSPORT

"ATI 304" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (AMS 5513J) (ASTM-A-262-14 PRACTICE E)  
(ASME-SA-240 ED 2015) (EN 10028-7:2007-1.4301-2B) (ASTM-A-240-16) (UNS S30400)

ITEM PCS DIMENSIONS W/G/L

HEAT # COIL #

TEST #

GROSS TARE NET

THEO

TAG #/ CD SKID

001 1 48. / .059 / 2029.

849874 AAB59755-B

8842285

19345 50 19295

469113

→ C CUST IDENTITY 3042B16GX48XC

1 SKID

19345 50 19295

ORDER REMARKS: EXW - EXCEPT VAT AND OTHER APPLICABLE LOCAL TAXES WHICH ARE THE RESPONSIBILITY OF THE BUYER  
DIST: PLEASE MAIL ACKNOWLEDGMENTS TO DIVERSIFIED ULBRICH 98 NORFINCH DRIVE DOWNSVIEW, ONTARIO  
CANADA M3N1X1 ATTN: ANNE DIRKSEN-CAIROLI

TYPE	HEAT/TEST (WT %)	--C--	--MN--	--P--	--S--	--SI--	--CR--	--NI--	--MO--	--CU--	--N--
HEAT	849874	.06	.96	.035	.0003	.45	18.24	8.11	.48	.43	.06
TEST LOCATION	5	BN	BN	BN	BN	BN	BN	BN	BN	BN	BN

ITEM TEST NO	YIELD PSI *	TENSILE PSI	% ELONG IN 2"	% R/A	HARDNESS	BEND A 262 PR E SIZE	CORROSION ASTM GRAIN	HARDENABILITY
001 8842285				NR	83.HRBW	T PASS PASS NR		NR
TEST LOCATION	TC	TC	TC		85.HRBW	TC TC		

\* Y.S. BY 0.2% OFFSET METHOD

T-YIELD

ITEM TEST NO

001 8842285

52600.

TEST LOCATION

TC

PAGE 01 - CONTINUED ON PAGE 02

12/13/16 08:21:39

CONSIGNEE Please Note—This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

## WARNING

Safety Data Sheets for this product are available on our website, [www.ATImetals.com](http://www.ATImetals.com). A thorough review of the Safety Data Sheet for the grade of material purchased shall be performed prior to working with this product and all safety & health considerations outlined must be implemented.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in ATI Flat Rolled Products' Order Acknowledgement.

Stephen Wolff  
Director, Corporate Quality Assurance

NOTICE OF SHIPMENT /  
PACKING LIST



Flat Rolled Products

CERTIFICATE OF TEST

CUST. ORD. NO. & DATE P206081	CUST. CODE 09/15/16	FINISHING LOCATION 329587	SHIPPER NO. VANDERGRIFF, PA	PRODUCT CODE 13020102060000	MILL ORDER NUMBER 30-096-243	DATE SHIPPED 12/13/16
FORMS DISTRIBUTION SOLD TO → 1 SHIP TO → SPEC →	REPEAT ORDER 99108-2	DO RATE 26	PRI-ORITY GOVT CONTRACT	MATL. 1121	SHIPPING LOCATION VANDERGRIFF PA	INVOICE 657047
SOLD TO			PRIME SEC. DSO DSO 30	SHIP TO AMERINOX BLDG 90 HARRIS TERMINAL 2201 MT. EPHERAIM AVENUE CAMDEN NJ 08104		

GRADE "ATI 304" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE CARRIER - M & A TRANSPORT

# ELONG AT FRACTURE

NR = DATA NOT REQUIRED  
GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

EN 10204:2005 - 3.1 CERTIFICATE DOES NOT INDICATE PED APPROVAL FOR THIS MATERIAL.

THESE COMMODITIES OR TECHNOLOGY, WHEN EXPORTED FROM THE UNITED STATES, ARE IN ACCORDANCE WITH THE USA EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. U.S. LAW ALSO PROHIBITS DISPOSITION OF THESE COMMODITIES/TECHNICAL DATA TO ANY END-USER OR FOR ANY END-USE RELATED TO THE DESIGN, DEVELOPMENT, PRODUCTION, STOCKPILING, OR USE OF CHEMICAL, BIOLOGICAL, OR NUCLEAR WEAPONS, OR MISSILES, WITHOUT THE PROPER APPROVAL OF THE UNITED STATES GOVERNMENT.

THIS CERTIFIED MATERIAL TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. ATI FRP HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI FRP QUALITY MANUAL REVISION 24 DATED 10/16/2015.

CONSIGNEE: Please Note—This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

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Stephen Wolff -  
Director, Corporate Quality Assurance

NOTICE OF SHIPMENT/  
PACKING LIST



Flat Rolled Products

CERTIFICATE OF TEST

CUST. ORD. NO. & DATE		CUST. CODE	FINISHING LOCATION	SHIPPER NO	PRODUCT CODE	MILL ORDER NUMBER	DATE SHIPPED
P206081		09/15/16	329587	VANDERGRIFF, PA	522741	13020102060000	30-096-243
FORMS DISTRIBUTION		REPEAT ORDER	DO RATE	PRI-ORITY	GOVT CONTRACT	MAT'L	SHIPPING LOCATION
SOLD TO → 1 SHIP TO → SPEC →		99108-2	26	7219.90.0000	1121	VANDERGRIFF	PA
		PRIME	SEC.	SHIP TO	INVOICE		
		DSO	DSO	AMERINOX	657047		
		30		BLDG 90 HARRIS TERMINAL			
				2201 MT. EPHERAIM AVENUE			
				CAMDEN	NJ 08104		

GRADE CARRIER - M & A TRANSPORT  
"ATI 304" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE

ATI FLAT ROLLED PRODUCTS PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES  
FOR TESTING LOCATIONS TC, BN, MI, & LO:  
C, S BY COMBUSTION/INFRARED  
N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY  
MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF  
B BY OES  
AL AND TI ( $\geq 0.10\%$ ) BY WDXRF, OTHERWISE BY OES  
PB, BI, AG BY GFAA

ATI FLAT ROLLED PRODUCTS HAS NO CONTROL OVER CUSTOMER PROCESSING OF MATERIAL; INCLUDING,  
BUT NOT LIMITED TO, BUFFING OR ELECTROPOLISHING MATERIAL WITH A 2B OR OTHER FINISH, AND DOES NOT REPRESENT  
OR GUARANTY THAT THE MATERIAL IS SUITABLE FOR ANY PARTICULAR PROCESS OR USE OF CUSTOMER.

EN 10204:2005 3.1 CERTIFICATE.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:

BN = ATI-FLAT ROLLED PRODUCTS; 100 RIVER ROAD; BRACKENRIDGE, PA 15014  
TC = ATI-FLAT ROLLED PRODUCTS; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

<<<<<<<< FOR ACCESS TO ONLINE CERTIFICATES OF TEST >>>>>>>>  
<<<<<<<< REGISTER AT MYATI.ATIMETALS.COM >>>>>>>>

PAGE 03 - FINAL PAGE.

12/13/16 08:21:39

CONSIGNEE Please Note-This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

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Stephen Wolff -  
Director, Corporate Quality Assurance

P204294

## 产品质量证明书

INSPECTION CERTIFICATE



江苏甬金金属科技有限公司

JIANGSU YONGJIN METAL TECHNOLOGY CO., LTD

地址: 江苏省南通高新技术产业开发区鹏程大道 999 号

Add: No.999 Pengcheng Road High-tech Industrial Development  
Zone, Nantong, Jiangsu, China

Tel: 0513-80608156

Fax: 0513-80608199

邮编: 226300

P.C: 226300

品名: 不锈钢冷轧钢板和钢带  
No. Cold rolled stainless steel plate,  
sheet and strip

客户名称: 宝裕

Customer

钢种: 304  
Type

合同号:

Contract No.

标准: ASTM A240  
Specification证明书号: 201409022820  
Certificate No.

序号 No.	表面 Surface	钢卷编号 Coil No.	规格 Size(mm)	重量 Weight(Kg)	等级 Grade	拉伸试验 Tensile			硬度 Hardness(HV)	交货状态 State
						抗拉强度 T.S(N/mm <sup>2</sup> )	屈服强度 Y.S(N/mm <sup>2</sup> )	伸长率 Elong(%)		
						515 以上	205 以上	40 以上		
1	2B	YJJ14Z07755B1	1.95*1250	5287	—	652	316	58	177/175/180	退火
2	2B	YJJ14Z07755B2	1.95*1250	5300	—	652	316	58	177/175/180	退火
3	2B	YJJ14Z08810A	1.17*1219	6878	—	627	271	59	170/173/174	退火
4	2B	YJJ14Z08810C	1.17*1219	6705	—	627	271	59	170/173/174	退火
5	2B	YJJ14Z08811A	1.43*1219	6850 ✓	—	640	283	58	171/174/176	退火
6	2B	YJJ14Z08812B -	1.45*1219	6852 ✓	—	648	282	57	175/175/176	退火
合计				37872						

序号 No.	化学成分 Chemical composition %										
	C	Si	Mn	P	S	Cr	Ni	N	Mo	Ti	Cu
MIN.	0.00	0.00	0.00	0.00	0.00	18.00	8.00	0.00	/	/	/
MAX.	0.08	0.75	2.00	0.045	0.03	20.00	10.50	0.10	/	/	/
1	0.045	0.34	1.14	0.040	0.005	18.27	8.02	0.052	0.03	/	0.16
2	0.045	0.34	1.14	0.040	0.005	18.27	8.02	0.052	0.03	/	0.16
3	0.044	0.39	1.04	0.034	0.002	18.11	8.09	0.052	0.09	/	0.35
4	0.044	0.39	1.04	0.034	0.002	18.11	8.09	0.052	0.09	/	0.35
5	0.041	0.42	1.09	0.037	0.003	18.21	8.08	0.054	0.07	/	0.25
6	0.039	0.41	1.08	0.030	0.005	18.32	8.09	0.055	0.03	/	0.13



\*拉伸试验: 沿用 GB/T 228-2002 标准 \*Tensile Test: use Standard GB/T 228-2002

\*硬度试验: 沿用 GB/T 4340.1-2009 标准 \*Hardness Test: use Standard GB/T 4340.1-2009

#3441

NOTICE OF SHIPMENT/  
PACKING LIST



Flat Rolled Products

CERTIFICATE OF TEST

AL 6168-6 0814

3p

CUST. ORD. NO. & DATE C17166 09/12/16 CUST CODE 788650 ACCEPTING MILL VANDERGRIFF, PA SHIPPER NO 515916 PRODUCT CODE 13020102060000 MILL ORDER NUMBER 30-096-179 DATE SHIPPED 09/13/16  
FORMS DISTRIBUTION SOLD TO 1 SHIP TO 1 SPEC 1  
REPEAT ORDER 00023-0 DO RATE 25 PRI ORITY 7219.33.0000 GOVT CONTRACT 1124 VANDERGRIFF PA 667644  
PRIME SEC. DSO DSO 30 45

P499506

GRADE AND SPECIFICATIONS "ATI 304" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (304/304L) (ASME-SA-480 ED 2015)  
(ASTM-A-480-16A) (ASTM-A-240-16) (ASME-SA-240 ED 2015)

CARRIER - SUNTECK TRANSPORTATION

ITEM	PCS	DIMENSIONS W/G/L	HEAT #	COIL #	TEST #	GROSS	TARE	NET	THEO	TAG #/	CD	SKID #
001	1	48. / .024 / 3468.	849356	AAB53839-B	8840300	13770	50	13720		458762		
C CUST IDENTITY T304L.024X48						13770	50	13720				
1 SKID												

ORDER REMARKS: EXW - EXCEPT VAT AND OTHER APPLICABLE LOCAL TAXES WHICH ARE THE RESPONSIBILITY OF THE BUYER  
DIST: EMAIL INVOICE TO AP@SAMUEL.COM

TYPE	HEAT/TEST (WT %)	--C--	--MN--	--P--	--S--	--SI--	--CR--	--NI--	--N--
HEAT	849356	.025	1.68	.035	.0001	.33	18.32	8.14	.07
TEST LOCATION	DAS 5	BN	BN	BN	BN	BN	BN	BN	BN

ITEM	TEST NO	YIELD	TENSILE	% ELONG	HARDNESS	( MEASURED )	BEND	CORROSION	ASTM	GRAIN
		PSI *	PSI	IN 2" % R/A					SIZE	
001	8840300	T 48100.	97000.	56. # NR	84.HRBW	(69.HR30TW)	NR	NR	NR	
		T 49400.	96700.	52. #	84.HRBW	(69.HR30TW)				
TEST LOCATION		TC	TC	TC	TC	TC				

\* Y.S. BY 0.2% OFFSET METHOD  
# ELONG AT FRACTURE

NR = DATA NOT REQUIRED  
GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

PAGE 01 - CONTINUED ON PAGE 02

09/13/16 09:23:28

CONSIGNEE - Please Note--This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

WARNING  
Safety Data Sheets for this product are available on our website, www.ATImetals.com. A thorough review of the Safety Data Sheet for the grade of material purchased shall be performed prior to working with this product and all safety & health considerations outlined must be implemented.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in ATI Flat Rolled Products' Order Acknowledgement.

Stephen Wolff  
Director, Corporate Quality Assurance



**NOTICE OF SHIPMENT/  
PACKING LIST**



**CERTIFICATE OF TEST**

AL 6168-6 0814

CUST ORD NO. & DATE C17166		CUST CODE 09/12/16 788650		ACCEPTING MILL VANDERGRIFF, PA		SHIPPER NO. 515916		PRODUCT CODE 13020102060000		MILL ORDER NUMBER 30-096-179		DATE SHIPPED 09/13/16	
FORMS DISTRIBUTION SOLD TO → 1 SHIP TO → SPEC →		REPEAT ORDER 00023-0		DO RATE 25		GOVT CONTRACT 7219.33.0000		MATL 1124		SHIPPING LOCATION VANDERGRIFF PA		INVOICE 667644	
		PRIME		SEC.									
		DSO		DSO									
		30		45									

GRADE  
"ATI 304" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (304/304L)  
CARRIER - SUNTECK TRANSPORTATION  
EN 10204:2005 - 3.1 CERTIFICATE DOES NOT INDICATE PED APPROVAL FOR THIS MATERIAL.

THESE COMMODITIES OR TECHNOLOGY, WHEN EXPORTED FROM THE UNITED STATES, ARE IN ACCORDANCE WITH THE USA EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. U.S. LAW ALSO PROHIBITS DISPOSITION OF THESE COMMODITIES/TECHNICAL DATA TO ANY END-USER OR FOR ANY END-USE RELATED TO THE DESIGN, DEVELOPMENT, PRODUCTION, STOCKPILING, OR USE OF CHEMICAL, BIOLOGICAL, OR NUCLEAR WEAPONS, OR MISSILES, WITHOUT THE PROPER APPROVAL OF THE UNITED STATES GOVERNMENT.

THE HARDNESS CONVERSION WAS PERFORMED USING EQUATIONS GIVEN IN ASTM E140 DEVELOPED FROM DATA IN TABLES 1, 2, 3, 5, AND 6. THE PARTICULAR EQUATION USED WAS BASED ON MATERIAL TYPE AND MEASURED HARDNESS SCALE. PER ASTM E140; THE CONVERSION VALUES ARE ONLY APPROXIMATE AND MAY BE INACCURATE FOR SPECIFIC APPLICATION.

THIS CERTIFIED MATERIAL TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. ATI FRP HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI FRP QUALITY MANUAL REVISION 24 DATED 10/16/2015.

ATI FLAT ROLLED PRODUCTS PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES FOR TESTING LOCATIONS TC, BN, MI, & LO:

C, S BY COMBUSTION/INFRARED  
N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY  
MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF  
B BY OES  
AL AND TI ( $\geq 0.10\%$ ) BY WDXRF, OTHERWISE BY OES  
PB, BI, AG BY GFAA

PAGE 02 - CONTINUED ON PAGE 03

09/13/16 09:23:28

**CONSIGNEE:** Please Note--This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

**WARNING**  
Safety Data Sheets for this product are available on our website, [www.ATImetals.com](http://www.ATImetals.com). A thorough review of the Safety Data Sheet for the grade of material purchased shall be performed prior to working with this product and all safety & health considerations outlined must be implemented.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in ATI Flat Rolled Products' Order Acknowledgement.

Stephen Wolff  
Director, Corporate Quality Assurance

**NOTICE OF SHIPMENT/  
PACKING LIST**



**CERTIFICATE OF TEST**

AL 6168-6 0814

CUST ORD. NO. & DATE C17166		CUST CODE 09/12/16 788650		ACCEPTING MILL VANDERGRIFF, PA		SHIPPER NO 515916		PRODUCT CODE 13020102060000		MILL ORDER NUMBER 30-096-179		DATE SHIPPED 09/13/16	
FORMS DISTRIBUTION SOLD TO → 1 SHIP TO → SPEC →		REPEAT ORDER 00023-0		DO RATE 25		GOVT CONTRACT 7219.33.0000		MAT'L 1124		SHIPPING LOCATION VANDERGRIFF PA		INVOICE 667644	
		PRIME DSO 30		SEC. DSO 45									

**GRADE**

"ATI 304" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (304/304L) CARRIER - SUNTECK TRANSPORTATION

ATI FLAT ROLLED PRODUCTS HAS NO CONTROL OVER CUSTOMER PROCESSING OF MATERIAL; INCLUDING, BUT NOT LIMITED TO, BUFFING OR ELECTROPOLISHING MATERIAL WITH A 2B OR OTHER FINISH, AND DOES NOT REPRESENT OR GUARANTY THAT THE MATERIAL IS SUITABLE FOR ANY PARTICULAR PROCESS OR USE OF CUSTOMER.

EN 10204:2005 3.1 CERTIFICATE.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:

BN = ATI-FLAT ROLLED PRODUCTS; 100 RIVER ROAD; BRACKENRIDGE, PA 15014  
TC = ATI-FLAT ROLLED PRODUCTS; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

FOR ACCESS TO ONLINE CERTIFICATES OF TEST  
REGISTER AT MYATI.ATIMETALS.COM

PAGE 03 - FINAL PAGE.

09/13/16 09:23:28

**CONSIGNEE** - Please Note--This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

**WARNING**  
Safety Data Sheets for this product are available on our website, [www.ATImetals.com](http://www.ATImetals.com). A thorough review of the Safety Data Sheet for the grade of material purchased shall be performed prior to working with this product and all safety & health considerations outlined must be implemented.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in ATI Flat Rolled Products' Order Acknowledgement.

Stephen Wolff  
Director, Corporate Quality Assurance



# 5156

RAL-34-20

## Test de dureté Rockwell Rockwell Hardness Test

Client / Customer : **LES ACIERS TRANSBEC (1997) LTEE.**Adresse / Address : **4054 BOUL. LE CORBUSIER, #201  
LAVAL, QC  
H7L5R2**# commande # : **7020941**# bon de commande / Purchase order # : **OU-47416**# de matrice / Die # : **MS 9909**Description : **3/4" ROD**Alliage & trempage / Alloy & temper : **6061 T6** Longueur / Length : **6097 mm**# Contrôle / Control # : **85611-1**# Coulée / Cast # : **68706** **DAS****5**

Dureté Rockwell E /

Rockwell E hardness : **91 HRE** Min. requis / Min. required : **88 HRE** Max. permis / Max. permitted : **100 HRE**

Composition chimique typique / Typical chemical composition :

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
6063	0,20 - 0,60	0,35 Max	0,10 Max	0,10 Max	0,45 - 0,90	0,10 Max	0,10 Max	0,10 Max
6005	0,60 - 0,90	0,35 Max	0,10 Max	0,10 Max	0,40 - 0,60	0,10 Max	0,10 Max	0,10 Max
6005A	0,66 - 0,74	0,14 - 0,28	0,08 - 0,16	0,18 - 0,26	0,46 - 0,54	0,03 Max	0,05 Max	0,05 Max
6061	0,40 - 0,80	0,70 Max	0,15 - 0,40	0,15 Max	0,80 - 1,20	0,04 - 0,35	0,25 Max	0,15 Max
6351	0,7 - 1,3	0,5 Max	0,10 Max	0,40 - 0,80	0,40 - 0,80	---	0,20 Max	0,20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la norme ASTM B-221-14 excepté pour la section 8.2 (nombre de spécimen) .

We hereby certify that the material supplied meets the chemical properties as published by the ASTM B-221-14 except for section 8.2 (number of specimen) .

Sincèrement vôtre,  
Yours truly,

date : **2017-03-28**

Daniel Alfredo Pelletier  
Directeur Qualité  
Quality Director

RAL-34

#5120

## Test de dureté Rockwell Rockwell Hardness Test

Client / Customer : **LES ACIERS TRANSBEC (1997) LTEE.**

Adresse / Address : **4054 BOUL. LE CORBUSIER, #201  
LAVAL, QC  
H7L5R2**

# commande : **7020941**

# bon de commande / Purchase order # : **OU - 47416**

# de matrice / Die # : **MS 9915**

Description : **1.25" DIA. ROD**

Alliage & trempage / Alloy & temper : **6061 T6**

Longueur / Length : **6097 mm**

# Contrôle / Control # : **85609-1**

# Coulée / Cast # : **68467**

**DAS  
5**

Dureté Rockwell E /

Rockwell E hardness : **92 HRE**

**9-89** Min. requis /

Min. required : **88 HRE**

Max. permis /

Max. permitted : **100 HRE**

Composition chimique typique / Typical chemical composition :

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
<b>6063</b>	0,20 - 0,60	0,35 Max	0,10 Max	0,10 Max	0,45 - 0,90	0,10 Max	0,10 Max	0,10 Max
<b>6005</b>	0,60 - 0,90	0,35 Max	0,10 Max	0,10 Max	0,40 - 0,60	0,10 Max	0,10 Max	0,10 Max
<b>6005A</b>	0,66 - 0,74	0,14 - 0,28	0,08 - 0,16	0,18 - 0,26	0,46 - 0,54	0,03 Max	0,05 Max	0,05 Max
<b>6061</b>	0,40 - 0,80	0,70 Max	0,15 - 0,40	0,15 Max	0,80 - 1,20	0,04 - 0,35	0,25 Max	0,15 Max
<b>6351</b>	0,7 - 1,3	0,5 Max	0,10 Max	0,40 - 0,80	0,40 - 0,80	---	0,20 Max	0,20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la norme ASTM B-221-14 excepté pour la section 8.2 (nombre de spécimen).

We hereby certify that the material supplied meets the chemical properties as published by the ASTM B-221-14 except for section 8.2 (number of specimen).

Sincèrement vôtre,

date : **2017-03-14**

Yours truly,

Daniel Alfredo Pelletier  
Directeur Qualité  
Quality Director

*RAL 114*

## Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate - mill certificate

Nr.: 85172797 01 / 1  
Rev.: 0

Seite / page: 1 von / of 2

Datum / date: 2015 04 17

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Auftraggeber / customer:	Bestell Nr. / order no.:	C 69654
	Datum / date:	2014 11 27
	Auftragsbest. Nr. / order confirm no.:	685221
	Datum / date:	2014 12 02
Warenempfänger / consignee:	Lieferschein Nr. / delivery note:	85172797
	Datum / date:	2015 04 30

Produkt / product	Bedingungen / terms
Form / form: Sheet Werkstoff / material: 6061 Zustand / temper: T6 Dim. / dim.: [inch]: 0,125x48,00x144,00	Technische Lieferbedingungen / techn. spec.: AMS-QQ-A-250/11, 08.1997 ASTM B 209 - 10 AMS 4027N, 07.2008 Cessna CMMP019, Rev. D, 09-07-01 Cessna CMMP025, Rev. V, 2-20-15  Sondervorschrift / special terms:

AB-Pos. ord.-item.	BNr/Los/Teillos Lot/No./Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
10	69100/01/01	01/0068262/5	6061	6852210011	2367,725 lbs	28
10	69100/01/01	01/0068262/5	6061	6852210012	2367,725 lbs	28
10	69100/01/01	01/0068262/5	6061	6852210013	2367,725 lbs	28
10	69100/01/01	01/0068262/5	6061	6852210014	930,335 lbs	11

Chemische Zusammensetzung [%] Gewichtsanteile / Chemical composition [%] weight proportion (OES)												
Guss Nr. / cast no.	material	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total	
01/0068262/5	6061	0,40	-	0,15	-	0,80	0,04	-	-	-	-	
	spec. min.	0,80	0,70	0,40	0,15	1,20	0,35	0,25	0,15	0,05	0,15	
	spec. max.	0,71✓	0,41✓	0,22✓	0,14✓	0,97✓	0,17✓	0,11✓	0,04✓	0,02✓	0,04✓	
	actual											

Zugprüfung LT / tensile test LT									
BNr/Los	Zustand	Richtung	Tests	UTS	YS	A2"			
Lot/No.	temper	direction		[ksi]	[ksi]	[%]			
			spec.min.	42,0	35,0	10			
			spec.max.	-	-	-			
69100/01	T6	LT	8	from 47,1 ✓	41,2 ✓	14 ✓			
69100/01	T6	LT		to 48,0	42,1	15			

486 18V

D910826  
D910827  
D910828  
D910829

**Abnahmeprüfzeugnis 3.1 (EN 10204)**  
**Inspection certificate - mill certificate**

Nr.: 85172797 01 / 1

Rev.: 0

Seite / page: 2 von / of 2

Datum / date: 2015 04 17

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, ENAS 9100, ISO 14001, NADCAP

Sonstige Prüfungen / other tests
Biegeversuch: OK. / Transverse bend test: OK. Maßkontrolle: OK. / Dimensional Check: OK. Oberfläche: OK. / Surface inspection: OK.
Bemerkungen / notes
Die Dimensionstoleranzen entsprechen ANSI XXX / As standard, dimensional tolerances are to ANSI XXX

Ausgestellt nach Airbus Zulassung Nr. 30272.

Wir bestätigen, dass die gesamte Lieferung unter Einhaltung und soweit oben nicht anders dargelegt aller Forderungen (Spezifikationen, Zeichnungen, Aufträge) hergestellt und geprüft wurde.

Das Qualitätsmanagementsystem erfüllt die Anforderungen der AUK/SA/001-3.

Hergestellt, kontrolliert und geprüft nach Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland Genehmigung Lieferantennummer V21275

Issued under Airbus Approval No. 30272.

Certified that the whole of the supplies detailed hereon have been manufactured, inspected, tested and unless otherwise stated above conform in all respects to the Specifications, Drawings and Contract.

Order relevant thereto The Quality Management System arrangements in respect of these supplies comply with the requirements of AUK/SA/001-3.

Manufactured, inspected and tested according Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland approval supplier code V21275

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.

We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werksachverständiger / factory specialist	E-Mail / e-mail
Klampfer Josef	josef.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.

Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

AMAG rolling  
Werksachverständiger  
ROL-Nr. 015



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303Ro.500  
 DATE: AUG 24 2017

PO / BATCH NO.: 0037486/M138346

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 24'  
 QUANTITY INSPECTED: 24'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .500"  
 THICKNESS RECEIVED: .500"  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/> N	<u>Atm 4582</u>
CORRECT THICKNESS	Y <input checked="" type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/> N	<u>Hr #427059</u>
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>5</u> DATE: <u>AUG 24 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR  
(NOTE: AISI 304/316 NOT ACCEPTABLE)



SPECIFICATION:

ASTM A582

M303R0.DDD

DIA.

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M303R0.750

DAS  
5  
9-89

**RELEASED**  
2010-02-02  
MD

B	REFORMAT DWG, ADD SPECS (ZN D8-1), REF PAR 08-020A	CP	10.01.05
A	NEW ISSUE	DS	01.12.20
REV.	DESCRIPTION	BY	DATE
DESIGN	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA  DRAWING NO. <b>M303R</b> TITLE <b>303 ROUND BAR</b>	REV. B	
DRAWN		SHEET 1 OF 1	
CHECKED		SCALE	
MFG. APPR.		NTS	
APPROVED			
DE APPR.			
DATE	10.01.05	COPYRIGHT © 2001 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304R1.000

PO / BATCH NO.: P037486/M138346

DATE: AUG 24 2017

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: 1"

QUANTITY RECEIVED: 12'

THICKNESS RECEIVED: 1"

QUANTITY INSPECTED: 12'

SHEET SIZE ORDERED: N/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	ASTM A276
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	HT # CH-6101
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

<b>QC 18 INSPECTION</b>		<b>ENGINEERING SIGNOFF (if required)</b>	
INSPECTED BY: _____	DAS <b>5</b>	SIGNED OFF BY: _____	
DATE: <u>AUG 24 2017</u>	9-89	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS ROUND **BAR**  
(NOTE: AISI 303 NOT ACCEPTABLE)



SPECIFICATION: **ASTM A276**

PART NUMBER: M304R.D.DDD  
DIA.

**5**  
**9-89**

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M304R0.750

**RELEASED**  
09/07/15

B	REFORMAT DWG, ADD SPECS (ZN D6-1). REF PAR 08-020A	CP	09.07.15
A	NEW ISSUE	AJS	08.03.03
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	<b>DART AEROSPACE LTD</b>	
DRAWN	GA	HAWKESBURY, ONTARIO, CANADA	
CHECKED	MS	DRAWING NO.	REV. B
MFG. APPR.	MS	M304R	SHEET 1 OF 1
APPROVED	MS	TITLE	SCALE
DE APPR.	MS	304/316 ROUND BAR	NTS
DATE	09.07.15	<small>COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMPILED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S1194  
 DATE: AUG 24 2017

PO / BATCH NO.: P037486/4135346

MATERIAL CERT REC'D: YES  
 QUANTITY RECEIVED: 3259 Ft  
 QUANTITY INSPECTED: 3259 Ft  
 QUANTITY REJECTED: 2

THICKNESS ORDERED: .125"  
 THICKNESS RECEIVED: .117"  
 SHEET SIZE ORDERED: 4x8  
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<u>AMS 5513</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<u>Ht # 290F</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> DATE: <u>AUG 24 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED

SPECIFICATION: MIL-S-5059  
OR AMS 5512 (304)  
OR AMS 5524 (316)  
OR ASTM A240  
OR ASME SA240

DAS  
5  
9-89

FINISH:

FINISH  
UNPOLISHED No. 1  
UNPOLISHED No. 2D  
UNPOLISHED No. 2B  
POLISHED No. 3  
POLISHED No. 4  
BUFFED No. 6  
BUFFED No. 7  
BUFFED No. 8

DART M-NUMBER  
IDENTIFIER  
1P  
2D  
NONE  
3P  
4P  
6P  
7P  
8P

PART NUMBER: M304S TT GA #P  
GA

WHERE "TT" = GAUGE THICKNESS  
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA  
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.09375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

△

RELEASED

2015 FEB 04

ECN 15-522 9

D	ADDED GAUGES 0-7.	AJS	15.01.06
C	DEFINED FINISH OPTION (ZN C8) AND EXAMPLE OF MATERIAL P/N WITH FINISH OTHER THAN 2B (ZN B5).	MB	12.09.20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (ZN D8-1), ADD GAUGE REF (C8-1), REF PAR 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	R	DRAWING NO.	REV. D
MFG. APPR.	[Signature]	M304S	SHEET 1 OF 1
APPROVED	[Signature]	TITLE	SCALE
DE APPR.	[Signature]	304/316 SS SHEET	NTS
DATE	15.01.06	COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M30451894  
 DATE: AUG 24 2017

PO / BATCH NO.: 1037418/1138346

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 6459ft  
 QUANTITY INSPECTED: 6459ft  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .053  
 THICKNESS RECEIVED: .047  
 SHEET SIZE ORDERED: 4x8  
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y N	Astm A240
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	HT# 0L4V
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>5</u> DATE: <u>AUG 24 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED

SPECIFICATION: MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
OR ASTM A240  
OR ASME SA240

DAS  
5  
9-89

FINISH:

FINISH  
UNPOLISHED No. 1  
UNPOLISHED No. 2D  
UNPOLISHED No. 2B  
POLISHED No. 3  
POLISHED No. 4  
BUFFED No. 6  
BUFFED No. 7  
BUFFED No. 8

DART M-NUMBER  
IDENTIFIER

1P  
2D  
NONE  
3P  
4P  
6P  
7P  
8P

PART NUMBER: M304S TT GA #P  
GA

WHERE "TT" = GAUGE THICKNESS  
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA  
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.09375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

**RELEASED**

2015 FEB 04

ECN 15-522 47

REV.	DESCRIPTION	BY	DATE
D	ADDED GAUGES 0-7.	AJS	15.01.06
C	DEFINED FINISH OPTION (ZN C8) AND EXAMPLE OF MATERIAL P/N WITH FINISH OTHER THAN 2B (ZN B5).	MB	12.09.20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (ZN D8-1). ADD GAUGE REF (C8-1). REF PAR 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
DESIGN		DS	
DRAWN		AJS	
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE		15.01.06	
<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA			
DRAWING NO.		REV. D	
M304S		SHEET 1 OF 1	
TITLE		SCALE	
304/316 SS SHEET		NTS	
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## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M30451694

PO / BATCH NO.: 1037486/4138346

DATE: AUG 24 2017

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .083

QUANTITY RECEIVED: 64584

THICKNESS RECEIVED: .058

QUANTITY INSPECTED: 64584

SHEET SIZE ORDERED: 4x8

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	<u>AMS 5513</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	<u>141# 849874</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

<b>QC 18 INSPECTION</b>		<b>ENGINEERING SIGNOFF (if required)</b>
INSPECTED BY: <u>DAS</u> <div style="text-align: center; font-weight: bold; font-size: 1.2em;">5</div>	SIGNED OFF BY: _____	
DATE: <u>AUG 24 2017</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED

SPECIFICATION: MIL-S-5060  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
OR ASTM A240  
OR ASME SA240

DAS  
5  
9-89

FINISH:

FINISH	DART M-NUMBER IDENTIFIER
UNPOLISHED No. 1	1P
UNPOLISHED No. 2D	2D
UNPOLISHED No. 2B	NONE
POLISHED No. 3	3P
POLISHED No. 4	4P
BUFFED No. 6	6P
BUFFED No. 7	7P
BUFFED No. 8	8P

PART NUMBER: M304S TT GA #P  
GA

WHERE "TT" = GAUGE THICKNESS  
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA  
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.09375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

D

**RELEASED**

2015 FEB 04

ECN 15-522 4

D	ADDED GAUGES 0-7.	AJS	15.01.06
C	DEFINED FINISH OPTION (ZN C8) AND EXAMPLE OF MATERIAL P/N WITH FINISH OTHER THAN 2B (ZN B5).	MB	12.09.20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (ZN D8-1), ADD GAUGE REF (C8-1), REF PAR 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. D
MFG. APPR.		M304S	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		304/316 SS SHEET	NTS
DATE	15.01.06	COPYRIGHT © 2001 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR TRANSMITTED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 130452494  
 DATE: AUG 24 2017

PO / BATCH NO.: 1037480/M138346

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 3259ft  
 QUANTITY INSPECTED: 3259ft  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .025  
 THICKNESS RECEIVED: .023  
 SHEET SIZE ORDERED: 4x8  
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	ASTM A240
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	# 849356
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>5</u>	SIGNED OFF BY: _____
DATE: <u>AUG 24 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED

SPECIFICATION: MIL-S-5059  
OR AMS 5513 (304)  
OR ~~AMS 5524~~ (316) **DAS**  
OR ASTM A240 **5**  
OR ASME SA240 **9-80**

FINISH: FINISH DART M-NUMBER  
IDENTIFIER  
UNPOLISHED No. 1 1P  
UNPOLISHED No. 2D 2D  
UNPOLISHED No. 2B NONE  
POLISHED No. 3 3P  
POLISHED No. 4 4P  
BUFFED No. 6 6P  
BUFFED No. 7 7P  
BUFFED No. 8 8P

PART NUMBER: M304S TT GA #P  
GA

WHERE "TT" = GAUGE THICKNESS  
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA  
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

## GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.09375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

RELEASED

2015 FEB 04

ECN 15-522 9

D	ADDED GAUGES 0-7.	AJS	15.01.06
C	DEFINED FINISH OPTION (ZN C8) AND EXAMPLE OF MATERIAL P/N WITH FINISH OTHER THAN 2B (ZN B5).	MB	12.09.20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (ZN D8-1), ADD GAUGE REF (C8-1), REF PAR 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. D
MFG. APPR.		M304S	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		304/316 SS SHEET	NTS
DATE	15.01.06	COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6R0.750

PO / BATCH NO.: P037486/M138346

DATE: AUG 24 2017

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 20'  
 QUANTITY INSPECTED: 20'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750"  
 THICKNESS RECEIVED: .750"  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	<u>Astm B221</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	<u>M7 #68706</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> DATE: <u>AUG 24 2017</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6R(D.DDD)  
DIA.

WHERE "D.DDD" = DIAMETER IN INCHES  
EG. 5/8" ROUND BAR = M6061T6R0.625

DAS  
5

**RELEASED**  
2009-09-09  
*MP*

B	REFORMAT DWG. ADD B211 & B221 SPEC (ZN D8-1), REF PAR 08-020A	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>[Signature]</i>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA DRAWING NO. <b>M6061T6R</b> TITLE <b>6061-T6 ROUND BAR</b> SCALE NTS <small>COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	
DRAWN	<i>[Signature]</i>		
CHECKED	<i>[Signature]</i>		
MFG. APPR.	<i>[Signature]</i>		
APPROVED	<i>[Signature]</i>		
DE APPR.	<i>[Signature]</i>	REV. B SHEET 1 OF 1	
DATE	09.07.13		

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MC6016R1250  
 DATE: AUG 24 2017

PO / BATCH NO.: PO37486/1138346

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 20'  
 QUANTITY INSPECTED: 20'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.250  
 THICKNESS RECEIVED: 1.250  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	ASTM B221
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	H7#68467
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> DATE: <u>AUG 24 2017</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6R D.DDD  
DIA.

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 5/8" ROUND BAR = M6061T6R0.625

DAS  
5

0.89

RELEASED  
2009-09-09

B	REFORMAT DWG. ADD B211 & B221 SPEC (ZN D8-1), REF PAR 08-020A	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. B SHEET 1 OF 1	
DRAWING NO. M6061T6R		TITLE 6061-T6 ROUND BAR	
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Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO37486

Purchase Order Date 8/21/2017

PO Print Date 8/21/2017

Page Number 1 of 9

Order From :

VC-CAM002

Ship To : DART AEROSPACE LTD

ACIER OUELLETTE INC.  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

E-MAILED  
AUG 21 2017

Contact Name

Vendor Phone 800 667 4248

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M174B0.250X4.000	17-4 BAR 0.250" X 4.000"	8/31/2017 Yes 8/31/2017		12.00 f	\$30.42	\$365.00
	MATERIAL: 17-4 PH SS BAR AS PER AMS 5604 / 5643 GRAIN DIRECTION MUST BE ALONG LENGTH MINIMUM YIELD TENSILE STRENGTH = 100KSI MINIMUM ULTIMATE TENSILE = 150 KSI						
	Line Total:						\$365.00
2	M2024T3S.040	2024-T3 .040 sheet	8/25/2017 Yes 8/25/2017		48.00 sf	\$4.23	\$202.94
	MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209						
	Line Total:						\$202.94

PO Instructions: quotation, sou0052051

Note:

8/21/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO37486**

Purchase Order Date 8/21/2017

PO Print Date 8/21/2017

Page Number 2 of 9

**Order From :**

ACIER OUELLETTE INC.  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

VC-CAM002

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 800 667 4248

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Yours ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

3	M2024T3S.063	2024-T3 .063 sheet	8/25/2017	144.00	\$6.77	\$974.31
			Yes	sf		
			8/25/2017			

MATERIAL: 2024-T3 ALUMINUM SHEET  
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037  
OR ASTM B209

**Line Total:** \$974.31

4	M303H0.500	303 HEX BAR .500	8/25/2017	12.00	\$4.25	\$51.00
			Yes	f		
			8/25/2017			

MATERIAL: AISI 303 SS HEX BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

**Line Total:** \$51.00

5	M303R0.500	303 Round Bar 0.500"	8/25/2017	24.00	\$2.27	\$54.42
			Yes	f		
			8/25/2017			

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

SP17-8-23

**PO Instructions:** quotation, sou0052051

**Note:**

8/21/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO37486**

Purchase Order Date 8/21/2017

PO Print Date 8/21/2017

Page Number 3 of 9

**Order From :**

VC-CAM002

**Ship To :** DART AEROSPACE LTD

ACIER OUELLETTE INC.  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 800 667 4248

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Yours ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA – (Free Carrier)

**Line Total:** \$54.42

6	M303R0.625	303 Round Bar 0.625"	8/25/2017	12.00	\$3.50	\$42.00
			Yes	f		
			8/25/2017			

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

**Line Total:** \$42.00

7	M303R1.000	303 Round Bar 1.00	8/25/2017	24.00	\$8.25	\$198.00
			Yes	f		
			8/25/2017			

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

**Line Total:** \$198.00

**PO Instructions:** quotation, sou0052051

**Note:**

8/21/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO37486**

Purchase Order Date 8/21/2017

PO Print Date 8/21/2017

Page Number 4 of 9

**Order From :**

VC-CAM002

**Ship To :** DART AEROSPACE LTD

ACIER OUELLETTE INC.  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 800 667 4248

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Yours ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

8	M304B0.750X2.500	304 BAR .750 X 2.50	8/25/2017	12.00	\$23.33	\$280.00
			Yes	f		
			8/25/2017			

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS  
AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

**Line Total: \$280.00**

9	M304R1.000	304 round bar 1.00	8/25/2017	12.00	\$7.90	\$94.82
			Yes	f		
			8/25/2017			

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

**Line Total: \$94.82**

**PO Instructions:** quotation, sou0052051

**Note:**

8/21/2017





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO37486**

Purchase Order Date 8/21/2017

PO Print Date 8/21/2017

Page Number 5 of 9

**Order From :**

VC-CAM002

**Ship To :** DART AEROSPACE LTD

ACIER OUELLETTE INC.  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 800 667 4248

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Yours ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

10	M304S11GA ✓	304/316 0.125 Sheet ✓	8/25/2017 Yes 8/25/2017	32.00 ✓ sf 1X	\$12.23	\$391.36
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PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED  
SPECIFICATION: MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
ORASTMA240  
OR ASME SA240

**Line Total:** \$391.36

11	M304S18GA ✓	304/316 .050 Sheet ✓	8/25/2017 Yes 8/25/2017	64.00 ✓ sf 2X.	\$5.36	\$342.72
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PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED  
SPECIFICATION: MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
ORASTMA240  
OR ASME SA240

**Line Total:** \$342.72

**PO Instructions:** quotation, sou0052051

**Note:**

8/21/2017

807-8-23



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO37486**

Purchase Order Date 8/21/2017

PO Print Date 8/21/2017

Page Number 6 of 9

**Order From :**

VC-CAM002

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

ACIER OUELLETTE INC.  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

**Contact Name**

**Vendor Phone** 800 667 4248

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Yours ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

12	M304S16GA	304/316 Sheet .063	8/25/2017 Yes 8/25/2017	64.00 sf	\$6.51	\$416.56
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PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED  
SPECIFICATION: MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
ORASTMA240  
OR ASME SA240

**Line Total: \$416.56**

13	M304S24GA	304/316 .025 Sheet	8/25/2017 Yes 8/25/2017	32.00 sf	\$2.90	\$92.72
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PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED  
SPECIFICATION: MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
ORASTMA240  
OR ASME SA240

**Line Total: \$92.72**

**PO Instructions:** quotation, sou0052051

**Note:**

8/21/2017

8017-8-23.



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO37486**

Purchase Order Date 8/21/2017

PO Print Date 8/21/2017

Page Number 7 of 9

**Order From :**

ACIER OUELLETTE INC.  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

VC-CAM002

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 800 667 4248

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Yours ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

14	M6061T6R0.563	6061-T6 ROUND BAR .563	8/25/2017	204.00	\$1.01	\$206.78
			Yes	f		
			8/25/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

**Line Total:** \$206.78

15	M6061T6R0.750	6061-T6 Round Bar .750"	8/25/2017	20.00	\$1.34	\$26.77
			Yes	f		
			8/25/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

**Line Total:** \$26.77

16	M6061T6R1.250	6061-T6 Round Bar 1.250"	8/25/2017	20.00	\$3.69	\$73.76
			Yes	f		
			8/25/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

807-8-23

**PO Instructions:** quotation, sou0052051

**Note:**

8/21/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO37486**

Purchase Order Date 8/21/2017

PO Print Date 8/21/2017

Page Number 8 of 9

**Order From :**

VC-CAM002

**Ship To :** DART AEROSPACE LTD

ACIER OUELLETTE INC.  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 800 667 4248

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Yours ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

**Line Total:** \$73.76

17	M6061T6S.125	6061-T6 .125 Sheet	8/25/2017	32.00	\$6.46	\$206.57
			Yes	sf		
			8/25/2017			

MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER  
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027  
OR ASTM B209

**Line Total:** \$206.57

18	71401-45	PROCUREMENT QUALITY CLAUSES	8/25/2017	1.00	\$0.00	\$0.00
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Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

No  
8/25/2017

**Line Total:** \$0.00

**PO Instructions:** quotation, sou0052051

**Note:**

8/21/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

**Purchase Order ID PO37486**

**Purchase Order Date** 8/21/2017

**PO Print Date** 8/21/2017

**Page Number** 9 of 9

**Order From :**

ACIER OUELLETTE INC.  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

VC-CAM002

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 800 667 4248

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Yours ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA – (Free Carrier)

**PO Total:**

**\$4,019.73**

**PO Instructions:** quotation, sou0052051

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

**Change Nbr:** 1

**Change Date:** 8/21/2017

**ACIER OUELLETTE INC.**

935, Boul. du H vre  
Salaberry de Valleyfield (Qu bec) J6S 5L1  
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Quotation**

SOU0052051

**Billed to**

DART AEROSPACE LTD  
1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

**Customer N ** CLI0001056  
**Date** 2017/08/17  
**Revision N ** 0  
**Prices valid until** 2017/08/24  
**Your Order N **  
**Processed by** BERNARD  
**Salesman** JOSIANNE  
**Carrier** OUELLE SDV  
**Credit Terms** Net 30 Days  
**Page** 1

Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
PLAT 17-4 PH 1/4 X 4 N 1 X 12' 7-10 DAYS	0.00	1.00	UN	1.00	UN		1.00	365.000	365.00
ROND 17-4 3/4" DIA N 1 X 12' 2-3 DAYS	0.00	1.00	UN	1.00	UN		1.00	102.000	102.00
ALU SHEET .040 (18G) 2024-T3 5A (4 X 12) FEAL-0404122024A 3117 1 X 4' X 12' 3-4 DAYS BARE	27.02	48.00	PI2_\$CLB	1.00	UN		1.00	202.940	202.94
ALU SHEET .064 (14G) 2024-T3 (4 X 12) FEAL-0644122024 3166 3 X 4' X 12' 3-4 DAYS BARE	129.74	144.00	PI2_\$CLB	3.00	UN		3.00	324.770	974.31
HEXAGONE SS303 1/2 N 1 X 12' R/L 2-3 DAYS	0.00	1.00	UN	1.00	UN		1.00	51.000	51.00
ROUND SS 1/2 303 (12R) RSS-12303-12 5726 2 X 12' R/L STOCK	16.01	24.00	PI_\$CLB	24.00	PI		2.00	27.210	54.42
ROUND SS 5/8 303 N 1 X 12' R/L 2-3 DAYS	0.00	1.00	UN	1.00	UN		1.00	42.000	42.00
<del>ROUND SS 3/4 303 (12R)</del> <del>RSS-34303-12 5760</del> <del>4 X 12' R/L STOCK</del>	72.10	48.00	PI_\$CLB	48.00	PI		4.00	58.750	235.00
ROUND SS 303 1" N 2 X 12' R/L 2-3 DAYS	0.00	2.00	UN	2.00	UN		2.00	99.000	198.00
FLAT SS304 3/4 X 2 1/2 N 1 X 12' R/L 2-3 DAYS	0.00	1.00	UN	1.00	UN		1.00	280.000	280.00

pr avis en fonction de l' volution des prix de l'acier sur le march .  
Cette offre est sujette et conditionnelle   l'approbation du cr dit.

Date :

37040

Next Page...



# ACIER OUELLETTE INC.

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

## Quotation

SOU0052051

### Billed to

DART AEROSPACE LTD  
1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

### Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

**Customer N°** CLI0001056  
**Date** 2017/08/17  
**Revision N°** 0  
**Prices valid until** 2017/08/24  
**Your Order N°**  
**Processed by** BERNARD  
**Salesman** JOSIANNE  
**Carrier** OUELLE SDV  
**Credit Terms** Net 30 Days  
**Page** 2

Product N° and description	Weight	Qty U/M	Qty U/M	Price	Pcs Nb	Price	Amount
ROUND SS 1 304 (12R) RSS-1-12 <b>5712</b> 1 X 12' R/L STOCK	32.04	12.00 PI_\$CLB	12.00 PI		1.00	94.820	94.82
SHEET SS 11G SS304-2B (4 X 8) FESS-11G483042B <b>3402</b> 1 X 4' X 8' STOCK	168.00	32.00 PI2_\$CLB	1.00 UN		1.00	391.360	391.36
SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B <b>3425</b> 2 X 4' X 8' STOCK	134.40	64.00 PI2_\$CLB	2.00 UN		2.00	171.360	342.72
SHEET SS 16G SS304-2B (4 X 8) FESS-16G483042B <b>3419</b> 2 X 4' X 8' STOCK	168.00	64.00 PI2_\$CLB	2.00 UN		2.00	208.280	416.56
SHEET SS 24G SS304-2B (4 X 8) FESS-24G483042B <b>3441</b> 1 X 4' X 8' STOCK	33.60	32.00 PI2_\$CLB	1.00 UN		1.00	92.720	92.72
ROUND 4130 3/8 NOT AVAILABLE 5/16 N 375. 1 X 6' 3-4 DAYS	0.00	1.00 UN	1.00 UN		1.00	185.000	185.00
FLAT ALU 1/8 X 3/4 6063-T5 (21) FAL-1834-21 <b>2551</b> 2 X 21' STOCK	4.70	42.00 PI_\$CLB	2.00 UN		2.00	6.490	12.98
FLAT ALU 1 1/4 X 2 6061-T6 (12) FAL-1142-12 <b>2453</b> 1 X 12' STOCK	35.28	12.00 PI_\$CLB	1.00 UN		1.00	112.530	112.53
FLAT ALU 2 X 4 1/2 N 1 X 12' 4-5 DAYS	0.00	1.00 UN	1.00 UN		1.00	502.000	502.00
ROUND ALU 9/16 6061-T6 (12) RAL-916-12 <b>5178</b> 17 X 12' 3-4 DAYS	59.77	204.00 PI_\$CLB	17.00 UN		17.00	12.163	206.78

préavis en fonction de l'évolution des prix de l'acier sur le marché.  
Cette offre est sujette et conditionnelle à l'approbation du crédit.

Date :

Next Page...

**ACIER OUELLETTE INC.**

935, Boul. du H vre  
Salaberry de Valleyfield (Qu bec) J6S 5L1  
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Quotation**

SOU0052051

**Billed to**

DART AEROSPACE LTD  
1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

**Customer N ** CLI0001056  
**Date** 2017/08/17  
**Revision N ** 0  
**Prices valid until** 2017/08/24  
**Your Order N **  
**Processed by** BERNARD  
**Salesman** JOSIANNE  
**Carrier** OUELLE SDV  
**Credit Terms** Net 30 Days  
**Page** 3

Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
ROUND ALU 3/4 6061-T6 (20) RAL-34-20 <b>5156</b> 1 X 20' STOCK	10.46	20.00	PI_\$CLB	1.00	UN		1.00	26.770	26.77
ROUND ALU 1 1/4 6061-T6 (20) RAL-114-20 <b>5120</b> 1 X 20' STOCK	28.82	20.00	PI_\$CLB	1.00	UN		1.00	73.760	73.76
ALU SHEET 1/8 6061-T6 (4 X 8) FEAL-18486061 <b>4256</b> 1 X 4' X 8' STOCK	56.45	32.00	PI2_\$CLB	1.00	UN		1.00	206.570	206.57
<del>FLAT A2 1/2 X 1 1/4</del> <del>2 X 136" 5-7 DAYS</del> <b>11.3353</b>	0.00	2.00	UN	2.00	UN		2.00	245.000	490.00
<del>SURCHARGE ENERGETIQUE</del> <b>FRAIS_ENERGETIQUE</b>			\$						3.95

**Total Weight (Lbs)**

976.39

**Important**

This offer is based on availability and current pricing conditions that may be revised upon reception of the order or the  volution des prix de l'acier sur le march .  
This offer is subject to conditions and approval of the credit.

Approved and Accepted by :

Date :

**Sub-total**

5 663.19

TVH-13 - 736.21

**Total (\$CAD)****6 399.40**



**ACIER OUELLETTE INC.**

935, Boul. du H vre  
Salaberry de Valleyfield (Qu bec) J6S 5L1  
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Order - Sales**

CO00048259

**Billed to**

DART AEROSPACE LTD

1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

**Delivery Route** 5**Customer N **

CLI0001056

**Date**

2017/08/29

**Delivery date****2017/08/30****Your order N **

37486

**Processed by**

Denis Quenneville

**Salesman****Carrier**

OUELLETTE VALLEYFIELD

**Credit Terme**

Net 30 Days

**Page**

1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
1 ALU SHEET 1/8 6061-T6 (4 X 8) FEAL-18486061 4256 DAS 9 1 sheet 48 x 96. heat number 6151024-89	56.45	32.00	PI2_\$CLB	0.00							

**Total Weight (LBS) :** 56.45

NIR : R-109516-6

**Conditions :**

All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :	Verified By :	Delivered By :	Time	Customer's Signature	Y	M	D

**Total (\$CAD)**

233.46

**Deposit**

0.00

**Balance**

233.46

PAG 18V

10

# MILL TEST/QUALITY CONTROL CERTIFICATE

ALNAN ALUMINIUM INC.

No.55 TingHong Road Nanning, Guangxi, 530031, China

CUSTOMER EMPIRE RESOURCES, INC.	ADDRESS 2115 LINWOOD AVENUE, 2ND FLOOR, FORT LEE, NJ 07024, USA	PRODUCT TYPE Aluminum Alloys Sheet	DATE: February 6, 2016
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UNIQUE Lot Number	HEAT Number	Dimension (mm)	Dimension (inch)	Act Thick (mm)	Act Thick (inch)	Weight MT	Alloy	Temper	Al	Cu	Mg	Si	Fe	Mn	Zn	Ti	Cr	Elong (%)	UTS ksi	Yield ksi
Standard	Standard	0.152-0.175	0.006-0.007				6061	T6	remainder	0.15-0.40	0.2-1.3	0.10-0.8	0.7max	0.15max	0.25max	0.15max	0.04-0.35	4min	42min	35min
Standard	Standard	0.303-0.229	0.008-0.009				6061	T6	remainder	0.15-0.40	0.2-1.2	0.10-0.8	0.7max	0.15max	0.25max	0.15max	0.04-0.35	6min	42min	35min
Standard	Standard	0.354-0.508	0.010-0.020				6061	T6	remainder	0.15-0.40	0.2-1.2	0.10-0.8	0.7max	0.15max	0.25max	0.15max	0.04-0.35	8min	42min	35min
Standard	Standard	0.533-6.325	0.021-0.249				6061	T6	remainder	0.15-0.40	0.2-1.2	0.10-0.8	0.7max	0.15max	0.25max	0.15max	0.04-0.35	10min	42min	35min
20160205020	6151024	3.175*1219.2*2438.4	0.125*18.0*96.0	3.080	0.121	1.610	6061	T6	remainder	0.28	1.05	0.63	0.21	0.13	0.07	0.02	0.24	15.5	45.0	39.2
20160205020	6151024	3.175*1219.2*2438.4	0.125*18.0*96.0	3.080	0.121	1.610	6061	T6	remainder	0.28	1.05	0.63	0.21	0.13	0.07	0.02	0.24	15.5	45.0	39.2
20160205020	6151024	3.175*1219.2*2438.4	0.125*18.0*96.0	3.080	0.121	1.486	6061	T6	remainder	0.28	1.05	0.63	0.21	0.13	0.07	0.02	0.24	15.5	45.0	39.2

ORIGIN OF GOODS AS ALNAN ALUMINIUM INC.

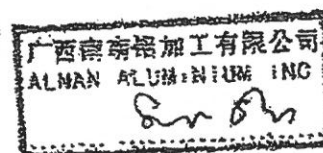
ACTUAL MILL CHEMICAL AND MECHANICAL PROPERTY TEST REPORTS IN IMPERIAL NOMENCLATURE REQUIRED PER SKID

MATERIAL CONFORMS FOR ALLOY 6061, T6, AS PER AMS QQA-290/11, AMS 4027, ASTM-B209-10 SE-209 AND ALUMINUM ASSOCIATION STANDARDS-2009 IN ALL ASPECTS.

COUNTRY OF MELT AND MANUFACTURE: CHINA

Issued by QA51

Reviewed by QA10



1/1

6151024

DAS  
9  
9.89

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 16061762.125  
 DATE: 17-03-30

PO / BATCH NO.: P037436 / M133346

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 32 5g/Ft  
 QUANTITY INSPECTED: 32 5g/Ft  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .125  
 THICKNESS RECEIVED: .125  
 SHEET SIZE ORDERED: 4' x 3'  
 SHEET SIZE RECEIVED: 4' x 3'

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	QQ-A-250/11
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	HT# 6151024
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>9</u> DATE: <u>17-03-30</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET

SPECIFICATION: QQ-A-250/11 OR AMS-QQ-A-250/11  
OR AMS 4025 OR AMS 4027  
OR ASTM B209

PART NUMBER: M6061T6S | XXX |  
THK

WHERE ".XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M6061T6S.063

PREFERRED SIZE: .XXX BY 4FT BY 8FT

**RELEASED**  
2009-09-10  
*MP*

B	REFORMAT DWG, ADD B209 SPEC (ZN D8-1), REF PAR 08-020A	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		

<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. <b>M6061T6S</b>	REV. B
TITLE <b>6061-T6 SHEET SPEC</b>	SCALE NTS
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